

ABSTRACT OF THE DISCLOSURE

A method and apparatus for fluid treatment of a selected interval of a well and then cleaning the selected interval and the apparatus of treatment residue. An Out/In straddle tool is run into the well to treatment depth on fluid supplying tubing and has upper and lower packers that establish sealing with the casing and define an annular interval between the packers and between the tool and casing. Fluid, such as fracturing fluid, is pumped through the tubing to the tool and is diverted through an Out port of the tool into an upper portion of the annular interval. Fluid then flows from a lower portion of the annular interval through an In port below the Out port and at low flow rate is dumped into the casing through a pressure responsive dump valve. The Out port and In port are located to accomplish cleaning of residue from the packers.